4-Hydroxybenzoate Octaprenyltransferase (ubiA) Escherichia Coli O7:k1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	4-hydroxybenzoate octaprenyltransferase (ubiA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O7:K1 4-hydroxybenzoate octaprenyltransferase (ubiA)
Product Gene Name	ubiA recombinant protein
Sequence	MEWSLTQNKL LAFHRLMRTD KPIGALLLLW PTLWALWVAT PGVPQLWILA VFVAGVWLMR AAGCVVNDYA DRKFDGHVKR TANRPLPSGA VTEKEARALF VVLVLISFLL VLTLNTMTIL LSIAALALAW VYPFMKRYTH LPQVVLGAAF GWSIPMAFAA VSESVPLSCW LMFLANILWA VAYDTQYAMV DRDDDVKIGI KSTAILFGQY DKLIIGILQI GVLALMAIIG ELNGLGWGYY WSILVAGALF VYQQKLIANR EREACFKAFM NNNYVGLVLF LGLAMSYWHF
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	32,512 Da
Sequence Positions	1-290 , Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for B7NS04
Species	Escherichia coli O7:K1 (strain IAI39 / ExPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ubiA recombinant protein	MBS1253369 is a recombinant protein targeting ubiA. Also known as Recombinant Escherichia coli O7:K1 4-hydroxybenzoate octaprenyltransferase (ubiA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ubiA recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ubiA. It may not necessarily be applicable to this product.

NCBI GI #	446377372
NCBI Accession #	WP_000455227.1
UniProt Primary Accession #	B7NS04
GenBank Nucleotide #	WP_000455227.1
NCBI Official Full Name	MULTISPECIES: 4-hydroxybenzoate octaprenyltransferase

UniProt Protein Name	4-hydroxybenzoate octaprenyltransferase
UniProt Synonym Protein Names	4-HB polyprenyltransferase
Protein Family	4-hydroxybenzoate octaprenyltransferase
UniProt Gene Name	ubiA
UniProt Comments for ubiA	Catalyzes the prenylation of para-hydroxybenzoate (PHB) with an all-trans polyprenyl group. Mediates the second step in the final reaction sequence of ubiquinone-8 (UQ-8) biosynthesis, which is the condensation of the polyisoprenoid side chain with PHB, generating the first membrane-bound Q intermediate 3-octaprenyl-4-hydroxybenzoate.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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